

FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501178.01	APPLICATION NO. 10/601,104
INFORMATION DISCLOSURE STATEMENT <small>(See several sheets if necessary)</small>		APPLICANT(S) Terry R. Lee et al.			
		FILING DATE June 19, 2003		GROUP ART UNIT 2186	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 4,707,823	11/17/87	Holdren et al.	370	1	
	AB 4,930,128	05/29/90	Suzuki et al.	371	12	
	AC 5,241,506	08/31/93	Motegi et al.	365	210	
	AD 5,243,703	09/07/93	Farmwald et al.	395	325	
	AE 5,269,022	12/07/93	Shinjo et al.	395	700	
	AF 5,317,752	05/31/94	Jewett et al.	395	750	
	AG 5,319,755	06/07/94	Farmwald et a.	395	325	
	AH 5,355,391	10/11/94	Horowitz et al.	375	36	
	AI 5,432,823	07/11/95	Gasbarro et al.	375	356	
	AJ 5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AK 5,502,621	03/26/96	Schumacher et al.	361	760	
	AL 5,566,325	10/15/96	Bruce, II et al.	395	494	
	AM 5,577,220	11/19/96	Combs et al.	395	416	
	AN 5,581,767	12/03/96	Katsuki et al.	395	800	
	AO 5,606,717	02/25/97	Farmwald et al.	395	856	
	AP 5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AQ 5,715,456	02/03/98	Bennett et al.	395	652	
	AR 5,819,304	10/06/98	Nilsen et al.	711	5	
	AS 5,928,343	07/27/99	Farmwald et al.	710	104	
	AT 5,973,935	10/26/99	Schoenfeld et al.	361	813	
	AU 5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	AV 6,029,250	02/22/00	Keeth	713	400	
	AW 6,061,296	05/09/00	Ternullo, Jr., et al.	365	233	
	AX 6,098,158	08/01/00	Lay et al.	711	162	

EXAMINER

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AY	6,125,431	09/26/00	Kobayashi	711	154	
AZ	6,175,571 B1	01/16/01	Haddock et al.	370	423	
BA	6,185,352 B1	02/06/01	Hurley	385	114	
BB	6,247,107 B1	06/12/01	Christie	711	216	
BC	6,256,692 B1	07/03/01	Yoda et al.	710	104	
BD	6,294,937 B1	09/25/01	Crafts et al.	327	158	
BE	6,370,068 B2	04/09/02	Rhee	365	196	
BF	6,401,213 B1	06/04/02	Jeddeloh	713	401	
BG	6,430,696 B1	08/06/02	Keeth	713	503	
BH	6,434,696 B1	08/13/02	Kang	713	2	
BI	6,434,736 B1	08/13/02	Schaecher et al.	716	17	
BJ	6,479,322 B2	11/12/02	Kawata et al.	438	109	
BK	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
BL	6,629,220 B1	09/30/03	Dyer	711	158	
BM	6,646,929 B1	11/11/03	Moss et al.	365	194	
BN	6,662,304 B2	12/09/03	Keeth et al.	713	400	
BO	6,667,895 B2	12/23/03	Jang et al.	365	63	
BP	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
BQ	6,724,685 B2	04/20/04	Braun et al.	365	233	
BR	6,735,679 B1	05/11/04	Herbst et al.	711	167	
BS	6,745,275 B2	06/01/04	Chang	710	305	
BT	6,751,703 B2	06/15/04	Chilton	711	113	

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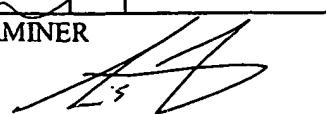
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BU	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
BV	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
BW	6,792,059 B2	09/14/04	Yuan et al.	375	354	
BX	6,799,246 B1	09/28/04	Wise et al.	711	117	
BY	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
BZ	6,807,630 B2	10/19/04	Lay et al.	713	2	
CA	6,816,947 B1	11/09/04	Huffman	711	151	
CB	2001/0039612 A1	11/08/01	Lee	713	2	
CC	2002/0116588 A1	08/22/02	Beckert et al.	711	161	
CD	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
CE	2003/0093630 A1	05/15/03	Richard et al.	711	154	
CF	2003/0163649 A1	08/28/03	Kapur et al.	711	146	
CG	2003/0177320 A1	09/18/03	Sah et al.	711	158	
CH	2003/0193927 A1	10/16/03	Hronik	370	351	
CI	2004/0022094 A1	02/05/04	Radhakrishnan et al.	365	200	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CJ	WO 93/19422	09/30/93	PCT				
CK	EP0849685A2	06/24/98	EP				

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

CL	Intel, "Flash Memory PCI Add-In Card for Embedded Systems", Application Note AP-758, September, 1997, pp. i-13.
CM	Shanley, T. et al., "PCI System Architecture", Third Edition, Mindshare, Inc., 1995, pp. 24-25.

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FORM PTO-J449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501178.01	APPLICATION NO. 10/601,104
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		FILING DATE June 19, 2003	GROUP ART UNIT 2186		

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL PATENT & TRADEMARK	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4,045,781	08/30/77	Levy et al.	364	200	
AB	4,240,143	12/16/80	Besemer et al.	364	200	
AC	4,245,306	01/13/81	Besemer et al.	364	200	
AD	4,253,144	02/24/81	Bellamy et al.	364	200	
AE	4,253,146	02/24/81	Bellamy et al.	364	200	
AF	4,724,520	02/09/88	Athanas et al.	364	200	
AG	5,461,627	10/24/95	Rypinski	370	95.2	
AH	5,479,370	12/26/95	Furuyama et al.	365	189.12	
AI	5,729,709	03/17/98	Harness	395	405	
AJ	5,832,250	11/03/98	Whittaker	395	471	
AK	5,966,724	10/12/99	Ryan	711	105	
AL	5,978,567	11/02/99	Rebane et al.	395	200.49	
AM	6,023,726	02/08/00	Saksena	709	219	
AN	6,076,139	06/13/00	Welker et al.	711	104	
AO	6,191,663 B1	02/20/01	Hannah	333	17.3	
AP	6,249,802 B1	06/19/01	Richardson et al.	709	200	
AQ	6,405,280 B1	06/11/02	Ryan	711	105	
AR	6,438,622 B1	08/20/02	Haghghi et al.	710	1	
AS	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
AT	6,453,393 B1	09/17/02	Holman et al.	711	154	
AU	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
AV	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
AW	6,598,154 B1	07/22/03	Vaid et al.	712	237	
AX	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
AY	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AZ 6,658,509 B1	12/02/03	Bonella et al.	710	100	
	BA 6,697,926 B2	02/24/04	Johnson et al.	711	167	
	BB 6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
	BC 6,728,800 B1	04/27/04	Lee et al.	710	54	
	BD 6,735,682 B2	05/11/04	Segelken et al.	711	220	
	BE 6,754,812 B1	06/22/04	Abdallah et al.	712	234	
	BF 6,760,833 B1	07/06/04	Dowling	712	34	
	BG 6,775,747 B2	08/10/04	Venkatraman	711	137	
	BH 6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	BI 6,792,496 B2	09/14/04	Aboulenein et al.	710	306	
	BJ 6,795,899 B2	09/21/04	Dodd et al.	711	137	
	BK 6,799,268 B1	09/28/04	Boggs et al.	712	228	
	BL 6,804,760 B2	10/12/04	Wiliams	711	170	
	BM 6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	BN 6,823,023 B1	11/23/04	Hannah	375	296	
	BO 6,845,409 B1	01/18/05	Talagala et al.	710	20	
	BP 2003/0149809 A1	08/07/03	Jensen et al.	710	22	
	BQ 2004/0236885 A1	11/25/04	Fredriksson et al.	710	100	
	BR					
	BS					
	BT					

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INFORMATION DISCLOSURE STATEMENT MAY 02 2005 Use several sheets if necessary		APPLICANT(S) Terry R. Lee et al.			
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4,953,930	09/04/90	Ramsey et al.	385	14	
AB	5,987,196	11/16/99	Noble	385	14	
AC	6,031,241	02/29/00	Silfvast et al.	250	504R	
AD	6,715,018	03/30/04	Farnworth et al.	710	300	
AE	6,811,320	11/02/04	Abbott	385	58	
AF	6,821,029	11/23/04	Grung et al.	385	92	
AG	2004/0126115	07/01/04	Levy et al.	398	116	
AH	2004/0144994	07/29/04	Lee et al.	257	200	
AI	2005/0071542	03/31/05	Weber et al.	711	105	
AJ						
AK						
AL						
AM						
AN						
AO						
AP						

FOREIGN PATENT DOCUMENTS

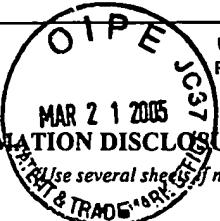
EXAMINER	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AQ	2001265539 A	09/28/01	JP (English Abstract)				
AR							

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 MAR 21 2005 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Terry R. Lee et al.			
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U.S. PATENT DOCUMENTS

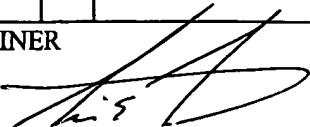
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Ch	AA 6,134,624	10/17/00	Burns et al.	710	131	
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Ch	AK	02/27499 A2	04/04/02	WO				
	AL							
	AM							
	AN							
	AO							

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MAY 07 2004
PATENT & TRADEMARK OFFICE

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	6,462,978 B2	10/08/02	Shibata et al.	365	63	
AB						
AC						
AD						
AE						
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AI						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AK						YES NO

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EXAMINER	AP		DATE CONSIDERED	7/8/05
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DRP	AA 5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
DET 23 2003 PARENT & TRADE	AB 5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC 5,442,770	08/15/95	Barratt	395	403	
	AD 5,497,476	03/05/96	Oldfield et al.	395	439	
	AE 5,659,798	08/19/97	Blumrich et al.	395	846	
	AF 5,875,352	02/23/99	Gentry et al.	395	843	
	AG 6,061,263	05/09/00	Boaz et al.	365	51	
	AH 6,073,190	06/06/00	Rooney	710	56	
	AI 6,105,075	08/15/00	Ghaffari	710	5	
	AJ 6,137,709	10/24/00	Boaz et al.	365	51	
	AK 6,144,587	11/07/00	Yoshida	365	189.05	
	AL 6,167,465	12/26/00	Parvin et al.	710	22	
	AM 6,167,486	12/26/00	Lee et al.	711	120	
	AN 6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AO 6,233,376 B1	05/15/01	Updegrove	385	14	
	AP 6,243,769 B1	06/05/01	Rooney	710	56	
	AQ 6,285,349 B1	09/04/01	Smith	345	147	
	AR 6,301,637 B1	10/09/01	Krull et al.	711	112	
	AS 6,327,642 B1	12/04/01	Lee et al.	711	120	
	AT 6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
	AU 6,347,055 B1	02/12/02	Motomura	365	189.05	
	AV 6,349,363 B2	02/19/02	Cai et al.	711	129	
	AW 6,356,573 B1	03/12/02	Jonsson et al.	372	46	
	AX 6,367,074 B1	04/02/02	Bates et al.	717	11	

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AY	6,373,777 B1	04/16/02	Suzuki	365	230.03	
AZ	6,381,190 B1	04/30/02	Shinkai	365	230.03	
OCT 23 2003	BA	6,421,744 B1	07/16/02	Morrison et al.	710	22
	BB	6,434,639 B1	08/13/02	Haghghi	710	39
	BC	6,463,059 B1	10/08/02	Movshovich et al.	370	389
	BD	6,470,422 B2	10/22/02	Cai et al.	711	129
	BE	6,473,828 B1	10/29/02	Matsui	711	104
	BF	6,477,614 B1	11/05/02	Leddige et al.	711	5
	BG	6,477,621 B1	11/05/02	Lee et al.	711	120
	BH	6,496,909 B1	12/17/02	Schimmel	711	163
	BI	6,505,287 B2	01/07/03	Uematsu	711	170
	BJ	6,539,490 B1	03/25/03	Forbes et al.	713	401
	BK	6,552,564 B1	04/22/03	Forbes et al.	326	30
	BL	6,587,912 B2	07/01/03	Leddige et al.	711	5
	BM	6,594,713 B1	07/15/03	Fuoco et al.	710	31
	BN	2002/0112119 A1	08/15/02	Halbert et al.	711	115

FOREIGN PATENT DOCUMENTS

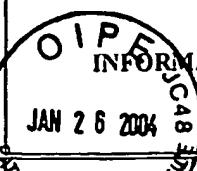
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BO							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

BP	Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM, Micron Technology, Inc., 2002, pp. 1-23.
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
501178.01APPLICATION NO.
10/601,104

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

JAN 26 2004

APPLICANT(S)

Terry R. Lee et al.

FILING DATE

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AA	6,067,262	05/23/00	Irrinki et al.	365	201	
AB	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
AC	6,590,816 B2	07/08/03	Perner	365	200	
AD	2003/0043426 A1	03/06/03	Baker et al.	359	109	
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FORM PTO-149 (REV.7-80)	FEB 24 2004	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 501178.01	APPLICATION NO. 10/601,104
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Terry R. Lee et al.		
		FILING DATE June 19, 2003	GROUP ART UNIT 2186	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,818,844	10/06/98	Singh et al.	370	463	
AB	6,272,609	08/07/01	Jeddeloh	711	169	
AC	6,477,592	11/05/02	Chen et al.	710	52	
AD	6,523,092	02/18/03	Fanning	711	134	
AE	6,523,093	02/18/03	Bogin et al.	711	137	
AF	6,622,227	09/16/03	Zumkehr et al.	711	167	
AG	6,631,440	10/07/03	Jenne et al.	711	105	
AH	2002/0144064	10/03/02	Fanning	711	144	
AI	2003/0005223	01/02/03	Coulson et al.	711	118	
AJ	2003/0229770	12/11/03	Jeddeloh	711	213	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AK							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178
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EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	<i>7/8/05</i>
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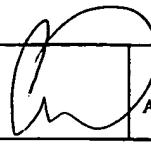
FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501178.01	APPLICATION NO. 10/601,104
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Terry R. Lee et al.			
		FILING DATE June 19, 2003		GROUP ART UNIT 2186	

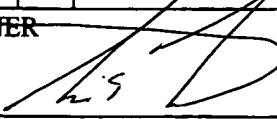
O I P E JC67
JUL 15 2004

U.S. PATENT DOCUMENTS

*EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ANITA J. TRADEN	AA 5,544,319	08/06/96	Acton et al.	395	200.07	
	AB 5,822,255	10/13/98	Uchida	365	194	
	AC 5,875,454	02/23/99	Craft et al.	711	113	
	AD 6,033,951	03/07/00	Chao	438	253	
	AE 6,079,008	06/20/00	Clery, III	712	11	
	AF 6,186,400 B1	02/13/01	Dvorkis et al.	235	462.45	
	AG 6,243,831 B1	06/05/01	Mustafa et al.	714	24	
	AH 6,256,692 B1	07/03/01	Yoda et al.	710	104	
	AI 6,392,653 B1	05/21/02	Malandain et al.	345	501	
	AJ 6,438,668 B1	08/20/02	Esfahani et al.	711	165	
	AK 6,636,110 B1	10/21/03	Ooishi et al.	327	565	
	AL 6,681,292 B2	01/20/04	Creta et al.	711	119	
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

 AU "Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [<http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory>]

EXAMINER	DATE CONSIDERED
	7/8/05

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